

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2054448
<b>Application Number:</b>	10796563
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1088
<b>Title of Invention:</b>	Space-time coding for multi-antenna ultra-wideband transmissions
<b>First Named Inventor/Applicant Name:</b>	Georgios B. Giannakis
<b>Customer Number:</b>	28863
<b>Filer:</b>	Kent Joseph Sieffert/Beth Lindblom
<b>Filer Authorized By:</b>	Kent Joseph Sieffert
<b>Attorney Docket Number:</b>	1008-013US01
<b>Receipt Date:</b>	07-AUG-2007
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<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$180
RAM confirmation Number	5548
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The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	Transmittal.pdf	45858 84264f5ea1e7545f6f02073ae5387231b 01ddf30	no	3
<b>Warnings:</b>					
<b>Information:</b>					
2	NPL Documents	Ultra.pdf	171674 b9005120b2a7f0dc8c5768b187117e3a 1d76c810	no	7
<b>Warnings:</b>					
<b>Information:</b>					
3	Fee Worksheet (PTO-06)	fee-info.pdf	30061 769380a49c92bc8e06d1c1dfb5959d22 73810ce5	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>				247593	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b>New Applications Under 35 U.S.C. 111</b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b>National Stage of an International Application under 35 U.S.C. 371</b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b>New International Application Filed with the USPTO as a Receiving Office</b>  If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					